

Full Ignition Panel Installation Notes

Rev 2.3

Remove headphone jack and mic jack from existing panel. Push them back out of the way for now, no need to disconnect wires.

Remove the master switch and the starter switch. Make note of the wiring so you can re-assemble them correctly later on.

Remove the ignition keyswitch. Again, make note of the wiring so you can re-attach the correct mag and/or EIS wires to the correct toggle switches.

Peel off the old adhesive-backed aluminum overlay. Clean off any residual adhesive,

Position the new overlay on the sub-panel, aligning the starter switch hole and the master switch opening. Mark the holes for the switch guards and drill the sub-panel to match the new overlay.

Mark the center of the mic jack and headphone jack holes, then remove the new overlay and drill those holes out to 3/4" and 7/8", respectively. Then open up the space between the switch guard holes to clear the toggle switches. Be careful to leave sufficient space to support the switch guard nuts. See the cutout drawing for reference.

Mount the new overlay by first installing the switch guards, then master switch and starter switch. Next install the toggle switches, noting that the magneto switches are installed "upside down" relative to the ordinary toggle switch orientation. Finally, install the mic jack and headphone jack, ensuring that the connector ears on the jacks don't short to the sub-panel and the headphone jack is properly mounted on a fiber washer to isolate it from the metal sub-panel.

For EIS systems, test the installation by starting the engine on the EIS, followed by turning on the magneto switch. Then at idle, switch the EIS off and the engine should still run on the magneto. Then switch off the magneto and the engine should quit.

For magneto systems (including SureFly electronic ignition), test the installation by starting the engine on the left magneto, followed by turning on the right magneto. Then at idle, switch the left magneto off and the engine should still run on the right magneto. Then switch off the right magneto and the engine should quit.

Log installation as a minor alteration, using owner-produced parts. Suggested phrasing should include "I have determined that this is a minor alteration in accordance with 14 CFR Part 43, Appendix A."